ROBOT®

Video Systems

9-Camera Monochrome Duplex Multiplexer With Video Alarm Detection

MV19p-30

FEATURES

- *Bi-directional RS-232 reduces equipment costs and expands system capabilities*
- *Set time synchronization, monitor alarms or generate alarms via third-party software*
- *Set video motion alarm parameters including target placement, object size and shape, time of day, trigger sensitivity and alarm delay for each camera*
- *High quality resolution, with 730 x 464 digital pixel images*
- *vSync™ for fast installation with VCRs that have a switch pulse output*
- *Individual video alarm outputs for each camera allow customized alarm response for specific security areas*
- *Dynamic Time Division records and displays more frames from cameras that "see" activity*

The Multivision® Pro series delivers advanced features that bring powerful, integrated solutions to your security system. Features like video motion alarm detection, time synchronization, VCR Record Speed Auto-Detection and enhanced picture processing for unparalleled image quality and superior performance with high-resolution cameras. Record up to 9 "live" cameras on one VCR, while simultaneously processing and replaying video from a second VCR. "Live" and playback images can be displayed in a variety of multiple-picture screen formats while recording. Easily program video alarm detection parameters for object size and shape, target placement, trigger sensitivity and tracking delay. Bi-directional RS-232 means you can control remotely with a PC, Remote Control Panel or advanced dome controller. The high-performance Multivision® Pro. . . more power and performance in a cost-effective system solution.

Superior image quality, integration and control in a reliable, easy-to-use solution

FEATURES

Software Management
Bi-directional RS-232 communication allows software control of all multiplexer features. Use an advanced dome controller or a PC with third-party software management tools. Easily schedule tours, check operating status, change recording and/or alarm conditions – all from a remote location.

Integrated Alarm Detection and Reporting
Video motion detection responds to alarm-related motion. Users gain alarm protection and superior documentation of critical events. Alarm-type video motion detection is built-in to the MV19p-30 at a cost lower than comparable stand-alone detectors. Alarm reports, logs and counts are conveniently displayed on-screen. Operation is easy, seamless and integrated.

User-Optimized Alarm Detection Per Camera
Alarm detection parameters include object location, size, shape, tracking delay and trigger sensitivity to suit each camera's unique viewing environment and security need. Programmable 16H x 12V detection grid with 192 detection points allows for superior alarm sensing.

Automatic Day/Night Setting Per Camera
Each camera's detection setting can be set for day and night conditions. The MV19p-30 will automatically change settings when time of day requires alarm sensing requirements to change.

High-Resolution Monochrome Display
730 x 464 pixels to the VCR, and up to 420 lines of resolution to the monitor (at -6DB). See live or recorded events in high resolution for superior surveillance and easier identification.

Simple Multiple Camera Display and Playback Options
Full screen, sequential camera switching, PIP, 2 x 2, 3 x 3 or 4 x 4 picture formats. View only critical areas or see all locations at one time. Change the viewing and playback options to suit your needs on a minute-to-minute basis. Even zoom up to 2X any picture area for a closer look at suspicious activity.

Full Duplex Multiplexing
View and record functions are independent. All cameras are full-field recorded regardless of picture format option selected when pictures were recorded. Playback any camera full screen or select any display option to see the group of cameras you desire.

Other Advanced Features
Remotely synchronize time on up to 255 multiplexers via software, and automatically set camera switch rate to your VCR – no address programming required. Advanced encoding technology allows multiplexer identification on VCR tape. Plus "multi-format decode" allows the MV19p-30 to read other manufacturer's duplex multiplexer tapes. No other multiplexer offers this degree of control and flexibility.

TECHNICAL SPECIFICATIONS

Operational

Video Standard	NTSC (525 lines, 60 fields/second) or PAL (625 lines, 50 fields/second)
Digital Memory	730 x 464 pixels full screen to VCR; 8-bit luma, 256 shades of gray
Motion Detection Parameters	
Target Matrix	16 horizontal x 12 vertical (192 total)
Sensitivity	5 levels
Object Size	81 combinations of width and height
Tracking Delay	0 to 5 seconds
Alarm Duration	Programmable 2 to 999 seconds, 4 seconds default
Motion Alarm Recording Settings	Each video channel has independent settings for day and night
Alarm Enable	On, Off or And (requires concurrent contact closure)
Remote Control	Via Remote Control Panel daisy-chain up to 16 multiplexers; via computer software control up to 255 multiplexers
Software Management	Via third-party software

Inputs/Outputs

Video Input	9 looping, 1 V p-p, composite, individually selectable 75 ohms or High-Z, BNC
Monitor Output	Two, 1 V p-p composite, 75 ohms, BNC
VCR Input/Output: Composite	One each, 1 V p-p, 75 ohms, BNC
VCR Input/Output: S-Video	One each, 1 V p-p S-Luma, 75 ohms, S-Video
Alarm Connector	DB37S (includes DB37P mating connector)
Alarm Input	9, programmable as normally open or normally closed
Alarm Hold Input	+5 to +15 VDC or TTL Active High
Common Alarm Output	One, normally open or closed contacts, 1.0A not to exceed 42VAC or 60VDC, resistive only
Motion Alarm Output	9 Active High or Low TTL compatible (one per camera)
Remote Control	RS-232, RJ11 In and Out
Operating Power	Center positive, 12 VDC; 1.5A, 18 watts, 2.1mm pin jack, separate AC power supply included

Mechanical

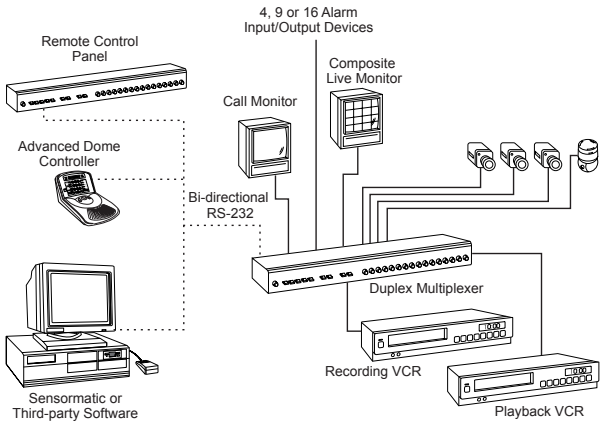
Unit Weight	9 lbs. (4.1 kg.)
Shipping Weight	11 lbs. (5.0 kg.)
Dimensions	1.75 in. H x 17 in. W x 12.25 in. D (44mm x 432mm x 311mm)
Ambient Temperature	40° to 104° F (5° to 40° C)

Options

RM03	Single Unit Rack Mount Kit

Software is available to third-party developers at www.sensormatic.com. Other optional system components may include advanced dome controllers and remote control panels. Please contact your sales representative for more information.

SYSTEM DIAGRAM



ORDER INFORMATION

MV19p-30	EIA version
MV19p-30-1	CCIR version

Sensormatic

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